

SEVEROV, Yu.I.

Some problems in the dynamics of solids and their application to  
the theory of crushers. Zap. LGI 36 no.3:106-111 '58. (MIRA 16:5)  
(Gyroscope) (Crushing machinery)

BERNASEK, J.; SEVEROVA, A.; SCHUBERT, J.

The value of immunization of pregnant women with staphylococcal anatoxin in a district maternity hospital. Cas. Lek. Cesk. 101 no.6: 167-174 9 F '62.

1. OUNZ Beroun. Porodnicke oddeleni nemocnice v Praze-Motcle, prednosta doc. dr. V. Sebek.

(STAPHYLOCOCCAL INFECTION immunol)  
(PREGNANCY complications)

SEVEROVA, A. I.

PA 29/49T62

USSR/Medicine - Trees  
Medicine - Botany

Feb 49

"New Root Formation on Stem Grafts of the Common Pine (Pinus Silvestris L.)," A. I. Severova, Inst of For, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 6

Undertakes investigation of the deep internal transformations occurring in the grafts of pine during formation of roots on them. Submitted by Acad V. N. Sukachev, 11 Nov 48.

29/49T62

SEVEROVA, A. I.

N/5  
631.3  
.S4

Vegetativnoye Razmnozheniye khvoynykh ( Vegetative fission of coniferous plants)  
Moskva, Izd-vo Akademii Nauk SSSR, 195K.  
71 p. illus.  
Includes Bibliography.  
Cataloged from abstract.  
FB 520108.  
On the significance of vegetative fission of coniferous plants; grafting and other kinds of treatment.

1. SEVEROVA, A. I.

2. USSR (600)

4. Siberia, Eastern - Trees

7. "Chozenia," a valuable tree variety, Les. khoz., 5, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SEVEROVA, A.I.

Artificial grafting in conifers. Bot.zhur. 38 no.6:879-884  
N-D '53. (MLRA 7:1)

1. Institut lesa Akademii nauk SSSR, Moskva.  
(Coniferae) (Grafting)

USSR/Forestry - Forest Cultures.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15403

Author : A.I. Severova

Inst : The Forestry Institute of the Academy of Sciences USSR

Title : Grafting the Siberian Cedar on the Common Pine.  
(Privivki kedra sibirskogo na sosne obyknovennoy).

Orig Pub : Priroda, 1957, No 6, 88-90

Abstract : The Siberian cedar grows slowly when produced from seed. Reproducing the cedar by green stem grafts is not in prospect, inasmuch as they do not readily become implanted. The grafting of Siberian Cedar on the common pine has been performed on a broad scale by Forestry Institute of the Academy of Sciences USSR. The growth of Siberian and Korean Cedar grafted trees exceeded that of rootable trees by 10 times after having been grafted for

Card 1/2

SEVEROVA, Aleksandra Ivanovna; PRAVDIN, L.F., red.; ARNOL'DOVA, K.S., red.  
izd-va; SHITS, V.P., tekhn. red.

[Vegetative reproduction of conifers] Vegetativnoe razmnozhenie  
khvoinykh drevesnykh porod. Izd.2., perer. i dop. Moskva, Gos-  
lesbumizdat, 1958. 142 p. (MIRA II:7)  
(Coniferae) (Grafting)

GODZHELLO, kand.tekhn.nauk; SEVEROVA, K.

Apparatus for determining dust inflammability. Pozh. delo 7  
no. 1:13-14 Ja '60. (MIRA 14:2)  
(Fire-testing) (Dust)

ANDREYEVA, I.N.; ZAPLETNYAK, V.M.; SEVEROVA, N.N.; ARKHIPOVA, Z.V.

Copolymerization of ethylene and propylene with the use of some  
organometallic catalysts. Plast. massy no.10:4-6 '65.

(MIRA 18:10)

SEVEROVA, N.P.

Work practice of the republic sanatorium for rheumatic children at  
the Lipetsk health resort. Vop.okh.mat. i det. 1 no.5:74-77 S-0 '56  
(MLRA 9:11)

1. Glavnyy vrach sanatoriya N.P.Severova, nauchnyy rukovoditel' -  
prof. L.D.Shteynberg [deceased].

(LIPETSK--CHILDREN--HOSPITALS AND ASYLUMS)

(RHEUMATIC FEVER)

SEVEROVA, Ye.Ya.

Diagnosis of myelomatosis. Sovet. med. No. 2:29-32 Feb 52. (CJML 21:5)

1. Of the First Therapeutic Clinic (Head--Prof. Ye.M. Tareyev), Moscow  
Oblast Scientific-Research Clinical Institute imeni M.F. Vladimirskiy.

SEVEROVA, Ye. Ya.

Medicinal fever. Sovet. med. 16 no.5:22-26 May 1952,(GLML 22:2)

1. Of the First Therapeutic Clinic (Head -- Prof. Ye. M. Tareyev, Active Member of the Academy of Medical Sciences USSR), Moscow Oblast Scientific-Research Clinical Institute imeni M. F. Vladimirovskiy.

SEVEROVA, Ye.Ya.; KOST, Ye.A.; RUDNEV, G.P., professor; MYASNIKOV, A.L.,  
professor.

Fever resulting from medication. Terap.arkh. 25 no.2:82-83 Mr-Ap '53.  
(MLBA 6:5)  
(Allergy) (Fever)

1956, No. 28.

BAVINSKA, Ye. Ye.: "The problem of noninfectious fever conditions."  
First Moscow Order of Lenin Medical Inst. Moscow, 1955.  
(Dissertation for the Degree of Candidate in Medical Sciences).

Source: Kazhnyaya letovis' No. 28 1956 Moscow

SEVEROVA, Ye.Ya.

Problem of prolonged noninfectious fevers. *Sov.med.* 21 no.8:99-105  
Ag '57. (MIRA 10:12)

1. Iz gosspital'no-propedevticheskoy kliniki (dir. - deystvitel'nyy  
cheln Akademii meditsinskikh nauk SSSR prof. Ye.M.Tareyev) sanitarno-  
gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo  
instituta imeni I.M.Sechenova.

(FEVER, etiol. & pathogen.

neurogenic factors in non-infect. forms (Rus))

SEVEROVA, Ye.Ya.

Results of the administration of syrenide under clinical conditions.  
Sov.med. 22 no.6:110-112 Je '58 (MIRA 11:9)

1. Iz Moskovskoy gorodskoy bol'nitsy No.27 (glavnyy vrach N.G. Doyev) i gospi'tal'noy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova.

(CARDIAC GLYCOSIDES, ther. use

Syrenia glycoside in congestive heart failure (Rus))

SEVEROVA, Ye.Ya.

On natural sensitivity of guinea pigs to penicillin. Antibiotiki  
4 no.4:67-71 J1-Ag '59. (MIRA 12:11)

1. Laboratoriya fiziologii immuniteta (rukovoditel' D.F.Pletsityy)  
Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i  
kafedra gospital'noy terapii (zav. - deystvitel'nyy chlen AMN  
SSSR prof.Ye.M.Tareyev) sanitarno-gigiyenicheskogo fakul'teta  
I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.  
Sechenova.

(PENICILLIN pharmacol)

SEVEROVA, Ye.Ye.

Some observations of a peculiar prolonged fever. Vrach.delo no.5:  
471-475 My '59. (MIRA 12:12)

1. Kafedra obshchey i gospital'noy terapii (zav. - deystv.chlen AMN  
SSSR, prof. Ye.M. Tarayev) sanitarno-gigiynicheskogo fakul'teta  
Pervogo Moskovskogo meditsinskogo instituta im. I.M. Sechenova.  
(FEVER)

SEVEROVA, Ye.Ya.

Some variants of the febrile reaction in drug disease. Vrach.delo  
no.12:1279-1283 D '59. (MIRA 13:5)

1. Kafedra obshchey i gospital'noy terapii (zav. - deystvitel'nyy  
chlen AMN SSSR, prof. Ye.M. Tareyev) sanitarno-gigiyenicheskogo  
fakul'teta Pervogo moskovskogo meditsinskogo institut imeni I.M.  
Sechenova.

(DURGS--PHYSIOLOGICAL EFFECT)

(FEVER)

VINOGRADOVA, O.M.; SEVEROVA, Ye.Ya.

Three cases of rupture of the interventricular septum following myocardial infarct. Sov.med. 23 no.8:110-113 Ag '59. (MIRA 12:12)

1. Iz Moskovskoy gorodskoy bol'nitsy No.27 (glavnyy vrach N.G. Doyev) i gospi'tal'noy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.  
(MYOCARDIAL INFARCT compl.)  
(HEART SEPTUM dis.)

SEVEROVA, Ye.Ya.; PASOVA, I.Ye.

Case of severe allergic reaction with agranulocytosis due to penicillin. Sov.med. 24 no.11:44-46 N '60. (MIRA 14:3)

1. Iz kliniki obshchey i gospital'noy terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. Ye.M.Tareyev) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova i patologoanatomicheskogo otdela (zav. - prof. A.V.Smol'yannikov) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V.Sklifosovskogo (dir. M.M.Tarasov).  
(PENICILLIN) (ALLERGY) (AGRANULOCYTOSIS)

SEVEROVA, Ye. Ya.

Experience in detecting penicillin-binding antibodies in guinea  
pigs. Zhur. mikrobiol. epid. i immun. 31 no.7:66-69 J1 '60.

(MIRA 13:9)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i  
I Moskovskogo meditsinskogo ordena Lenina instituta im. Sechenova.  
(ANTIGENS AND ANTIBODIES) (PENECILLIN)

SEVEROVA, Ye.Ya.

Effect of penicillin on anaphylactic shock in guinea pigs.  
Antibiotiki 6 no.1:42-44 Ja '61. (MIRA 14:5)

1. Laboratoriya fiziologii immuniteta (zav. D.F.Pletsityy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i kafedra gospital'noy terapii (zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M.Tareyev) sanitarno-gigiyenicheskogo fakul'teta I.Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.  
(ANAPHYLAXIS) (PENICILLIN)

SEVEROVA, Yo.Ya.

Two cases of gastric anemia. Sov. med. 25 no.5:143-145 My. '61.  
(MIRA 14:6)

1. Iz kafedry obshchey i gospital'noy terapii (zav. - deystvitel'nyy  
chlen AMN SSSR prof. Ye.M.Tareyev) sanitarno-gigiyenicheskogo  
fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta  
imeni I.M.Bechenova.  
(STOMACH—SURGERY) (ANEMIA)

SEVEROVA, Ye.Ya.

Morphological changes developing in guinea pig organs during the administration of penicillin. Antibiotiki 7 no.9:800-804 S '62. (MIRA 15:12)

1. Laboratoriya fiziologii immuniteta (zav. - prof. D.F. Pletsityy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i kafedra obshchey terapii i professional'nykh bolezney (zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M.Tareyev) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova. (PENICILLIN)

SEVEROVA, Ye.Ya.

Some problems in the clinical aspects of drug intolerance. Sov.  
med. 26 no.12:55-67 D '62. (MIRA 16:2)

1. Iz kliniki obshchey terapii i professional'nykh zabolevaniy  
(zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev) sani-  
tarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I.M. Sechenova.  
(ANAPHYLAXIS) (DRUGS--PHYSIOLOGICAL EFFECT)

SEVEROVA, E.Y.; GUSEVA, N.G.

A case of cardiac aneurysm complicating scleroderma. Cor vasa 5  
no.3:230-235 '63.

1. Department of General Medicine, First [Sechenov] Moscow  
Medical Institute and the State Research Institute of Rheuma-  
tology, Moscow.

(SCLERODERMA) (HEART ANEURYSM)  
(HEART ENLARGEMENT) (HEART BLOCK)  
(HEART FAILURE, CONGESTIVE)

SEVEROVA, Ye.Ya.

Lesions of the heart and major blood vessels in drug disease.  
Ter. arkh. 35 no.7:65-72 J1'63 (MIRA 17:1)

1. Iz kliniki obshchey terapii i professional'nykh bolezney  
(zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev)  
sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena  
Lenina meditsinskogo instituta imeni I.M. Sechenova.

SEVEROVA, Ye.Ya.

Dynamics of morphological changes in guinea pig organs following penicillin administration. Antibiotiki 9 no.1:44-48 Ja '64. (MIRA 18:3)

1. Laboratoriya fiziologii immuniteta (zav. - prof. D.F.Pletsityy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i klinika propedvticheskoy i professional'noy terapii (zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M.Tareyev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

SEVEROVA, Ye.Ya.; ALEKBEROVA, Z.S.

Side effects in the use of camphor. Sov. med. 27 no.3:119-125 Mr  
'64. (MIRA 17:11)

1. Kafedra obshchey terapii i professional'nykh bolezney (zav. -  
deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev) sanitarno-gigi-  
yenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo  
instituta imeni Sechenova.

SEVEROVA, Ye.Ya., kand. med. nauk; BETIN, Ye.M.

Dermatitis caused by aminazine in medical personnel. Trudy 1-go  
MMI 28:79-86 '64. (MIRA 17:11)

1. Kafedra obshchey terapii i professional'nykh zabolevaniy (zav.  
- deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev) sanitarno-  
gigiyenicheskogo fakul'teta 1-go Moskovskogo ordena Lenina medi-  
tsinskogo instituta imeni Sechenova.

SEVEROVA, Ye.Ya., kand. med. nauk; BEZRODNYKH, A.A.

Total pneumothorax in uncomplicated silicosis. Trudy 1-go MMI 28:  
128-133 '64.

Lung cancer in silicosis. Ibid.:134-138

(MIRA 17:11)

1. Kafedra obshchey terapii i professional'nykh zabolevaniy  
(zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev)  
sanitarno-gigiyenicheskogo fakul'teta 1-go Moskovskogo ordena  
Lenina meditsinskogo instituta imeni Sechenova.

MEYERVA, Ye.Ya.

Analysis of the side effects of penicillin on the organism  
of guinea pigs. Pat. fiziol. i eksp. terap 8 no.5:83 S-0  
'64. (MIRA 18:12)

1. Laboratoriya fiziologii immuniteta (zav. - prof. D.F.  
Pletsityy) Instituta fiziologii AMN SSSR i Klinika obshchey  
terapii sanitarno-gigiyenicheskogo fakul'teta (zav. -  
deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tarayev) i Moskov-  
skogo ordena Lenina meditsinskogo instituta. Submitted  
April 26, 1963.

USSR/Human and Animal Physiology (Normal and Pathological) T  
Blood Circulation. The Heart.

Abs Jour : Ref Zhur Biol., No 6, 1959, 26599

Author : Azhibayev, K.A., Severova, Z.A.

Inst : Academy of Sciences, KirgizSSR

Title : Electrocardiographic Variations of Death from Electric Current.

Orig Pub : Tr. Konferentsii po elektrotravme, 1956, Frunze, AN KirgSSR, 1957, 64-66

Abstract : No abstract.

Card 1/1

USSR / Human and Animal Physiology. Heart.

T

Abstr Jour : Ref Zhur - Biol., No 15, 1958, No. 70167

Author : Severova, Z. A.

Inst : Not given

Title : Variants of Coronary Insufficiency in the Light of  
Clinical and Electrocardiographic Studies

Orig Pub : Sov. zdravookhran. Kirgizii, 1957, No 3, 17-22

Abstract : Of 35 patients with anemia, five were suffering with  
angina pectoris, twelve had sensations of pressure and  
stabbing pains in the area of the heart, and only seven  
had the EKG signs of coronary insufficiency. Changes in  
the EKG included displacement of the ST segment downward,  
while in some patients the ST segment had the form of  
an arc which was convex downward; there were reductions in  
the R and T waves, the appearance of biphasic and negative  
T waves, with the occasional appearance of giant pointed

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and in 36 there were disturbances of coronary circulation.  
Anginal pains were usually noted in the cases of mitral  
valvular lesions and syphilitic aortic regurgitation.  
Changes of the EKG took the form of upward or downward

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line, and increase in size of the T wave. In the course  
of therapy the EKG changes disappeared. -- F. Z. Meyerson

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SEVEROVA, Z.A., Cand Med Sci—(diss) "Variants of insufficiency of  
coronary circulation in certain diseases and <sup>conditions brought about by</sup> ~~states~~ clinico-electrocar-  
diographic <sup>incidents</sup> elucidation." Frunze, 1958. 20 pp (Kirgiz State Med Inst),  
200 copies (KL, 26-58, 117)

S/191/62/000/012/009/015  
B101/B186

AUTHORS: Bukhgalter, V. I., Severovostokova, Ye. Ye.

TITLE: Application of rheologic analysis in the processing of thermoplastics

PERIODICAL: Plasticheskiye massy, no. 12, 1962, 32-36

TEXT: Previously (Plast. massy, no. 2, 44, 1960) the authors had described a method for the plotting of the rheologic curves shearing rate,  $s$ , versus shear stress,  $\tau$ , or apparent viscosity versus  $s$ . In this paper the curves are discussed for high-pressure ethylene, ethylene propylene copolymer, block polystyrene, emulsion polystyrene, and CH-28 (SN-28) styrene acrylonitrile copolymer and their practical use is shown for calculating the pressure in the extruder and for choosing the extruder die and the extrusion temperature. The following indications are stated for calculating  $\tau$  and  $s$  in dies of simple geometrical form: circular orifice:  $\tau = PD/4L$  dynes/cm<sup>2</sup>,  $s = 32Q/\pi D^3$  sec<sup>-1</sup>, where  $L$  is the length and  $D$  the diameter of the orifice, and  $Q$  is the volume rate of extrusion; slot with parallel walls:  $\tau = PH/2.15L$ ,  $s = 5.58Q/WH^2$ , where  $H$  is the

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Application of rheologic analysis ...

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B101/B186

internal height and  $W$  the width of the slot; annular orifice:  
 $\tau = P(R-r)/2.15L$ ,  $s = 5.58Q/\pi(R+r)(R-r)^2$ , where  $R$  is the outer and  $r$  the inner radius of the annular orifice. It is shown that the change in viscosity brought about by heating the plastic is negligible for the friction at the die walls, since its effect is within the experimental error ( $\pm 5\%$ ). Using rheologic curves the extrusion conditions can be adjusted to suit the variable properties of the material, but the quality of the extrusion product has to be checked visually. There are 6 figures and 3 tables. The English-language references are: E. C. Bernhardt (editor), Processing of Thermoplastic materials, Reinhold Publishing Corporation, N. Y., 1959; D. J. Week, British Plastics, 31, no. 4, 156 (1958).

Card 2/2

SEVERSKIY, A.I. Col., Med. Corps

"Russians Fpunded Aviation Medicine," Red Star, 25 May 1950

SEVERSKIY, A. I.; GRIGOLIYA, AL., redaktor, professor; PISHCHIK, M.,  
tekhnicheskii redaktor

[Hardening the organism by sun, air and water] Zakalivanie  
organizma solntsem, vozdukhom i vodoi. Sukhumi, Izd. Abgiza, 1953.  
37 p. (MLRA 8:10)

(SUN BATHS) (SWIMMING)

AID P - 4702

Subject : USSR/Aeronautics - Aeromedicine

Card 1/1 Pub. 58 - 14/17

Author : Severskiy, A.; Physician

Title : Special physical hardening of the aviators

Periodical : Kryl. rod., 5, 20, My 1956

Abstract : A technical discussion of the influence of the various forms of physical training exercises on the professional aptitudes of the aviators. The effects of the training on different kinds of special equipment are examined.

Institution : None

Submitted : No date

SEVERSKIY, Aleksey Ivanovich; PLATONOV, K.K., prof., red.; VASIL'YEV,  
A.A., red.; BLAZHENKOVA, G.I., tekhn.red.

[Preserving pilot's health] Kak sokhranit' zdorov'e letchika.  
Pod red. K.K.Platonova. Moskva, Izd-vo DOSAAF, 1959. 118 p.  
(MIRA 12:9)

(AIR PILOTS--DISEASES AND HYGIENE)

SEVERSKIY, A.I., polkovnik meditsinskoy sluzhby

Medical expert testimony on flying personnel in the initial forms  
of hypertension. Voen.-med.zhur. no.9:63-65 S '59. (MIRA 13:1)  
(HYPERTENSION, jurisprudence)  
(AVIATORS, diseases)

BOSEDOV, I. S.; SEVERSKIY, I. V.

"On hydrological role of snow avalanches in the Northern versant of the Zailiysky Alatau."

report to be presented at Intl Symp on Scientific Aspects of Snow and Ice Avalanches, Davos, Switzerland, 5 Apr-11 Apr 65.

GOSPLAN, I. V. CHERBY, I.V.

Effect of the orientation of slopes on the infiltration of  
snow waters in the forest-meadow belt in the northern slope  
of the Trans-Ili Alatau. Trudy Otd. geog. AN Kazakh. SSR  
no.11:96-114 '65. (MIRA 18:8)

SEVERSKIY, V. G.

Cand. Tech. Sci.

Dissertation: "Wear Properties of Cotton Clothing and Methods for  
their improvement."

2 Dec. 49

Moscow Inst. of National Economy

imeni C. V. Plekhanov

SO Vecheryaya Moskva  
Sum 71

SCV/118-59-2-22/26

25(2)

AUTHOR: Severskiy, V.N.

TITLE: A Universal Bending Machine (Universal'naya giboch-naya mashina)

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959, Nr 2, p 59 (USSR)

ABSTRACT: The Frunzenskiy mashinostroitel'nyy zavod (the Frunze Machine Building Plant) in the Kirghizskaya SSR (Kirghiz SSR) has produced and is successfully utilizing a general purpose UGP 55 bending machine, designed by the author of this article for bending hoops and flanges of 300 to 3,000 mm in diameter of angle, equilateral steel of Nr 2-12 profile and of angle non-equilateral steel Nr 3/2-12/8, as well as for shaping rolling hoops of sheet steel for 200 liter barrels. The machine may be used for bending any section iron. The machine considerably facilitates the manufacture of hoops for steel barrels and tanks produced by the Frunze Plant. There is 1 diagram.

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SEVERSKIY, V.N.

Centralize the accounting for specifications. Standartizatsia  
27 no.12:52 D '63. (MIRA 17:4)

SEVERTSEV, E.I.

Sight restored. Zdorov'e 1 no.6:21 Ja. '55.

(MLRA 9:5)

(EYE--SURGERY)

SEVERTSEV, E.I.

Heart surgery. Zdorov's 1 no.8:6-8 Ag '55

(MLRA 9:5)

(HEART--SURGERY)



SEVERTSEV, M.S.

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91595

Author : Severtsev, M.S., Mot', I.S.

Inst : Grodnensk Agricultural Institute.

Title : Contribution to the Problem of Working the Perennial Grass Layer under Winter Crops.

Orig Pub : Tr. Grodnensk. s.-kh. in-ta, 1957, vyp. 3, 15-21.

Abstract : In the 1954-1955 tests, the winter rye harvest with regular plowing to a depth of 20 - 22 cm was 23.4, plowing without terracing to 35 - 40 cm depth with preliminary disking 19.9 and with disking to 5 - 7 cm - 18.7 centner/hectare. The substitution of surface plowing for winter wheat brought about a decrease in the yield of 9.5 centner/hectare. With surface working the sod remains on the surface, moisture is not retained as well, and the nitrates

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Abs Jour : Ref Zhur - Biol., No 20, 1958, 91595

and phosphoric acid content in the layer down to 20 cm

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M.V. Dranishnikov.

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3-58-2-28/55

SEVERTSEV, V.A.  
AUTHOR: Severtsev, V.A.

TITLE: Remarks on Higher Education in Indonesia (Zametki o vysshem obrazovanii v Indonesii)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 2, pp 82 - 85 (USSR)

ABSTRACT: The article contains a description of conditions prevailing in Indonesian education before and after 1945. Much space is devoted to giving particulars about the University Gadzha Mada in Jokjakarta.

At present, this university is one of the largest in the country. It possesses 6 faculties: law, economics and social and political sciences (where about 5,000 students receive 4 years training); literature, pedagogics and philosophy (with 5 years training and 700 students); medical, dentistry and pharmacy (1,370 students in terms of 5-7 years); engineering-chemical with 4 years of training and 1,170 students; agricultural (6 years training, 400 students); veterinary (160 students, training term - 5 years). The total number of students is 9,000, that of instructors - 360, of whom 41 are foreigners.

Recently, 4 new pedagogical institutes were established: in Bandung, Malang (East Java), Batungkar (West Sumatra) and

Card 1/3

Remarks on Higher Education in Indonesia

3-58-2-28/33

Macassar (Celebes Isles).

In Jakarta, the capital, there are at present, in addition to the university, 10 state and private institutes; among them the Academy of Journalism, Academy of Foreign Affairs, Academy of Trade, Academy of Aeronautics and the Medical Institute. In Jokjakarta, the Academy of Sculpture is operating, in Bandung - the Academy of Physical Culture, Academy of Plastic Art, Textile Scientific-Research Institute and the Institute of Ceramics. There is also the Pasteur Institute supplying all Indonesia with sera and vaccines. Not far from Bandung, the Boshka Observatory is operating. In the city of Surabaya the "Erlangga" University with 3 faculties (economical, juridical and medical) and a Dentistry School are working.

The city of Bogor, 56 km south of Jakarta, is a large scientific center.

There are 2,000 students studying at present at all the medical faculties of Indonesian vuzes and over 6,000,000 pupils at the 37,000 schools.

The Government of Indonesia is at present elaborating a project for the obligatory elementary education of the Indo-

Card 2/3

CHERKAYEV, V.G.; FILYAND, A.I.; SEVERTSEV, V.A.; BALASHOV, V.M.;  
KURICHEV, V.A.; MOSHKIN, M.I.

Process of the liquid phase selective hydrogenation of geraniol  
in a flow system. Trudy VNIISNDV no.6:128-141 '63. (MIRA 17:4)

BREYTERMAN, Aleksandr Davydovich; ALAMPIYEV, P.M., prof.,  
retsensent; KHRUSHCHEV, A.T., dots., retsensent;  
SEVERTSEV, V.A., red.

[Economic geography of the U.S.S.R.] Ekonomicheskaya  
geografiya SSSR. Moskva, Vysshaya shkola. Pt.1. 1965.  
369 p. (MJRA 18:8)

AVAKOVA, L.B.; KUSTOVA, S.D.; RUDOL'FI, T.A.; SEVERTSEV, V.A.; TITOVA, N.B.;  
CHERKAYEV, V.G.; SHCHEDRINA, M.M.

Increasing the menthol content of low menthol peppermint oil.  
Trudy VNIISNDV no.6:164-166 '63. (MIRA 17:4)

KRASIL'NIKOV, Nikolay Aleksandrovich, prof.; SEVERTSEVA, M.G., red.;  
PARSADANOVA, K.T., red.izd-va; GRIGORCHUK, L.A., tekhn.red.

[Antagonism of microbes and antibiotics] Antagonizm mikrobov  
i antibioticheskie veshchestva. Moskva, Gos.izd-vo "Sovetskaya  
nauka," 1958. 337 p. (MIRA 12:5)

1. Institut mikrobiologii AN SSSR (for Krasil'nikov).  
(ANTIBIOTICS) (BACTERIAL ANTAGONISM)

SEVERTSOV, A.S.

Mechanism of the projection of the tongue in tailless amphibians.  
Dokl. AN SSSR 140 no.1:256-259 S-0 '61. (MIRA 14:9)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom I.I.  
Shmal'gauzenom.

(Anura) (Tongue)

SEVERTSOV, A.S.

Formation of the tongue in Hynobiidae. Dokl. AN SSSR 154  
no. 3:731-734 Ja '64. (MIRA 17:5)

1. Zoologicheskii institut AN SSSR. Predstavleno akademikom  
I.I.Shmal'gauzenom.

SEVERTSEV, M.S., kand.sel'skokhozyaystvennykh nauk

Sapropel, a valuable fertilizer. Zemledelie 23 no.10:53-55  
0 '61. (MIRA 14:9)

1. Grodnenskiy sel'skokhozyaystvennyy institut.  
(Sapropel)

SEVERTSOV, Prof. S. A.

Acad. Sci., p. 1949.

Mbr., Inst. Exptl. Morphology, Moscow, -1941-.

"Measuring the Intensity of the Struggle for Existence and the Degree of Adaptability of Animals," Dok. AN, 32, No. 3, 1941.

SEVERTSOV, S. A.

"Academician V. L. Komarov. The Species of Plants." (p. 225) by Severtsov, S. A.

SO: Journal of General Biology (Zhurnal Obshechey Biologii) Vol. III, No. 3, 1942.

SEVENTSOV, S. A.

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VAN 4/5-44

SEVENTSOV, S. A.

"Congruence and Integrity of Species," published by the Dept. of Biological Sci.,  
AS USSR.

VAN 4/5-44

SEVERINSON, A. A.

Science

Problems in animal ecology. Unpublished works; Moskva, izd-vo Akademii nauk SSSR.  
Vol. c, 1951

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SEVERTSOV, S.A.; SABLINA, T.B.

Red deer, roe deer, and boar in the Byalovezhska Pushcha.  
Trudy Inst.morf.zhiv. no.9:140-205 '53. (MLRA 7:11)  
(Byalovezhska Pushcha--Wild boar) (Wild boar--Byalovezhska Pushcha) (Byalovezhska Pushcha--Deer) (Deer--Byalovezhska Pushcha)

SEVERTSOVA, Ol'ga, studentka

A diversion. Voen. znan. 34 no. 5:31 My '58.

(MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
(Diving, Submarine)

CHAKRYGIN, V.G., kand. tekhn. nauk; SEVERYANINA, L.P., inzh.

Terminal effect and steady temperature distribution in a pipe  
heated in a sector with finite length. Teploenergetika 11  
no.7:67-70 J1 '64. (MIRA 17:8)

1. Vostochnyy filial Vsesoyuznogo teplotekhnicheskogo instituta,  
Chelyabinsk.

BELOUS, M.V.; GRANKINA, L.P.; PERMYAKOV, V.G.; SEVERYANINA, Ye.N.

Electric properties of thin nichrome films. Fiz. met. i metalloved.  
16 no.5:669-674 N '63. (MIRA 17:2)

1. Kiyevskiy politekhnicheskii institut.

L 61692-65 EWT(1)/EWT(m)/EWP(1)/T/EWP(t)/EEC(b)-2/EWP(b)/EWA(c) Pi-4 IJP(s)  
JD/GG

32  
B

ACCESSION NR: AP5011383

UR/0139/65/000/002/0034/0039

AUTHORS: Belous, M. V.; Permyakov, V. G.; Severyanina, Ye. N.

TITLE: Some procedural problems in the production and investigation of thin metallic films

SOURCE: IVUZ. Fizika, no. 2, 1965, 34-39

TOPIC TAGS: thin film, metal film, film preparation, film measurement

AW

ABSTRACT: The authors describe simple devices, constructed and used in the Metal Physics Laboratory of Kiev Polytechnic Institute, for the investigation of certain properties of thin films. The equipment used to obtain metallic films is similar to the UVR apparatus included with Soviet electron microscopes. The preparation of the films is described in detail. Electrical measurements were made through a system of contacts shown in Fig. 1 of the

Card 1/4

L 61692-65

ACCESSION NR: AP5011383

Enclosure. A special potentiometer circuit for resistance measurements is shown in Fig. 2 of the Enclosure. Various experiments with thin films are described, and conditions for the preparation of nichrome films with specified parameters are presented. Original article has 5 figures

ASSOCIATION: Kiyevskiy politekhnicheskij institut (Kiev Polytechnic Institute)

SUBMITTED: 12Jul63

ENCL: 02

SUB CODE: MM,SS

NR REF SOV: 006

OTHER: 003

Card 2/4

L 61692-65  
ACCESSION NR: AP5011383

ENCLOSURE: 01

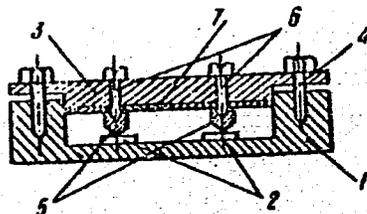


Fig. 1. Block of contacts for the setup used to measure film resistance.

- 1 - Block body, 2 - film contacts, 3 - block cover,
- 4 - bolt, 5 - contact, 6 - screw, 7 - mica liner

Card 3/4

L 61692-65

ACCESSION NR: AP5011383

ENCLOSURE: 02

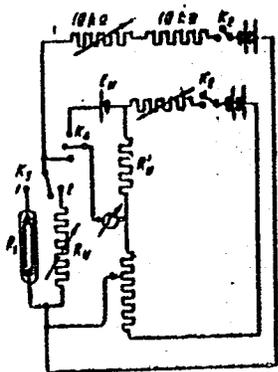


Fig. 2. Circuit diagram of apparatus for the measurement of film resistivity.

*llc*  
Card 4/4

SEVER'YANOV, A.; BUTT, M., starshiy master.

Unusual visual aid. Prof.-tekhn. obr.13 no.3:24-25 Mr '56.  
(MIRA 9:7)

1. Prepodavatel' remeslennogo uchilishcha No.3, Moskevskaya  
oblast'.

(Visual education)

Severyanov, A.

27-5-5/25

AUTHOR: Severyanov, A., Meritorious Teacher of Professional and Technical Education of RSFSR. Butt, M. Deputy Director of Trade School # 3 (Moscow district)

TITLE: Laboratory Practice in Professional Training (Laboratornyy praktikum po proizvodstvennomu obucheniyu).

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1957, # 5(144), p 6 and 7 (USSR)

ABSTRACT: The author points out the importance of close coordination between the teaching of theory and practical training in trade schools. The students after theoretical lectures in special technology, must learn to apply this knowledge in practical training.  
The authors state that in the post-war years the Soviet industry has turned toward complicated mechanization and automatization requiring increased skill of laborers. They describe in detail the lathe operators' training, the laboratory practice, and the type of lessons the students receive.  
The article contains 2 tables.

INSTITUTION: None  
PRESENTED BY:  
SUBMITTED:  
AVAILABLE: At the Library of Congress  
Card 1/1

SOV/27-59-4-8/28

22(1)

AUTHOR:

Sever'yanov, A., Honored Teacher of Professional Education  
of the RSFSR.

TITLE:

Instructing in Industrial Training

PERIODICAL:

Professional'no-tekhnikeskoye obrazovaniye, 1959, Nr 4,  
pp 12-14 (USSR)

ABSTRACT:

Technical progress in all branches of the national economy calls for ever higher requirements in the industrial qualification of workmen. This makes it necessary to examine the schooling process in the Labor Reserve schools, to discover existing deficiencies and to adopt measures for their elimination. Improving the quality of lessons in industrial training is one of the most important requirements. The author emphasizes the urgent necessity for furnishing appropriate instruction aids. On the basis of generalized experience, it is possible to prepare such aids. For this purpose, the author is trying to furnish some material on the method of conducting instruction in industrial training;

Card 1/2

SEVER'YANOV, Aleksandr Arkad'yevich; RZHAVINSKIY, V.V., redaktor; SHUR,  
D.S., redaktor; KUZ'MIN, D.G., tekhnicheskii redaktor

[A collection of problems and exercises for a general course for  
mechanics] Sbornik zadach i uprazhneniy po obshchemu kursu slesarno-  
go dela. Izd. 2-oe, perer. i dop. Moskva, Vses. uchebno-pedagog.  
izd-vo Trudrezervizdat, 1956. 77 p. (MLRA 9:8)  
(Machine-shop practice)

SEVER'YANOV, Aleksandr Arkad'yevich; KULIKOV, V.N., red.; POLUKAROVA,  
Ye.K., tekhn. red.

[Laboratory course in turning]Laboratornyi praktikum v tokar-  
nykh gruppakh; posobie dlia instruktorov proizvodstvennogo  
obucheniia v srednei shkole. Moskva, Izd-vo APN RSFSR, 1962.  
77 p. (MIRA 16:4)  
(Vocational education) (Turning)

MAKHAN'KO, Yu.A., inzh.-marksheyder; SEVER'YANOV, A.N., gornyy inzh.

Effect of the correlation of bolt and hole diameters on the  
behavior of anchor bolted roofs. Gor.zhur. no.10:31-33 0 '60.  
(MIRA 13:9)

1. Noril'skiy gorno-metallurgicheskiy kombinat.  
(Mine roof bolting)

BELYAYEV, V.S., kand. tekhn. nauk; SEVER'YANOV, A.N., mladshiy nauchnyy  
sotrudnik; GENIN, M.S., inzh.

New rod bolting. Ugol' 38 no.6:14-16 Je '63. (MIRA 16:8)

1. Institut gornogo dela im. A.A. Skochinskogo.  
(Mine roof bolting)

BELYAYEV, V.S., kand. tekhn. nauk; SEVER'YANOV, A.N., inzh.

Method of studying the bearing capacity of slot and wedge type  
anchor bolts. Ugol' 38 no.11:37-39 N '63.

(MIRA 17:9)

YEVDOKIMENKO, A.I.; KOTLYARENKO, V.V.; Primalni uchastiye: RABICHEVA,  
L.M.; SYROVEGINA, K.V.; LEVIN, I.Kh.; GAVRILENKO, A.F.;  
RYABOV, A.V.; ALYUSHIN, Ye.I.; MARCHENKO, V.G.; BOLOTIN, L.G.;  
AFONIN, P.I.; SEVER'YANOV, G.N.

Heat exchange and the condensation of zinc vapor in drop con-  
densers. Sbor. nauch. trud. Gintsvetmeta no.19:536-549 '62.  
(MIRA 16:7)

1. Sotrudniki Gosudarstvennogo nauchno-issledovatel'skogo  
instituta tsvetnykh metallov (for Rabicheva, Syrovegina, Levin,  
Gavrilenko, Ryabov). 2. Belovskiy tsinkovyy zavod (for Alyushin,  
Marchenko, Bolotin, Afonin, Sever'yanov).

SEVER'YANOV, N. N.

SEVER'YANOV, N. N. -- "The Railroads of Open-Pit Coal Mines." Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni V. N. Obratsov. Leningrad, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

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ANDREYEV, G.G., tekhnicheskii redaktor

[Engineering research for coal mining structures] Inzhenernye izyskaniia  
dlia stroitel'stva ugol'nykh predpriatii. Moskva, Ugletekhnizdat, 1955.  
261 p. (MIRA 9:1)

(Coal mines and mining)

SEVER'YANOV, Nikolay Nikolayevich, AGALINA, Mariya Samoylovna, BUDAYEV, E.V.,  
otv.red.; SAVIN, M.M., red.; KOROVIENKOVA, Z.A., tekhn.red.

[Manual on engineering surveys for construction] Spravochnik po  
inzhenernym izyskaniyam dlia stroitel'stva. Moskva, Ugletekhizdat, 1958.  
360 p. (MIRA 11:9)

(Civil engineering)

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV,  
S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.;  
BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY,  
I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY,  
I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY,  
L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.;  
GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.;  
DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.;  
DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIBILENKO,  
V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.;  
KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.;  
MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.;  
PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY,  
Ye.A., inzh.; PODLUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV,  
I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.;  
ROGOVSKIY, L.V., inzh.; RUDEMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.;  
SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO,  
A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV,  
V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN,  
M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN,  
M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.;  
STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P.,  
inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY,  
I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.;  
DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV,  
S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk, red.; LISTOPADOV,  
N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];  
(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheski spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures.] Organizatsiia proektirovaniia; Stroitel'stvo zdani i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)  
(Mining engineering)  
(Building)

~~SEVER'YANOV, Nikolay Nikolayevich, kand.tekhn.nauk. Prinsipali uchastiye:~~  
~~KUTNEVICH, M.A., inzh.; MOCHALOVSKIY, N.G., inzh.. POLYAKOV,~~  
~~N.K., nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; YASHCHUR-~~  
~~ZHINSKAYA, A.B., tekhn.red.~~

[Transportation in the fuel industry] Transport toplivnykh  
predpriatii. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i  
gorno-toplivnoi lit-ry, Leningr.otd-nie, 1959. 623 p.

(MIRA 13:2)

(Railroads, Industrial) (Transportation, Automotive)  
(Fuel--Transportation)

ROZENGAUZ, Nisn Aronovich; SMIRNOV, Sergey Diodorovich; TISHCHENKO, S.Ya.,  
retsensent; SEVER'YANOV, N.N., kand.tekhn.nauk, retsensent;  
LEBEDEV, V.V., nauchnyy red.; RUSAKOVA, L.Ya., vedushchiy red.;  
YASHCHURZHINSKAYA, A.B., tekhn.red.

[Pipeline research] Izyskaniia magistral'nykh truboprovodov.  
Leningrad, Gos.nauchno-tekhn.izd-vo نفت. i gorno-toplivnoi lit-ry.  
Leningr.otd-nis, 1960. 254 p. (MIRA 14:2)

1. Glavnyy inzhener Stroitel'no-montazhnogo uchastka No.7 (for  
Tishchenko).

(Pipelines)

SEVER'YANOV, NIKOLAY NIKOLAYEVICH

General 'Nyye Plany Ugol' Nykh Predpriyatiy. Moskva, Gosgortekhnizdat,  
1961.

328 [1] p. Illus., Diagr., Tables.

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PETRAKOVA, Ye.P., red. izd-va; GALANOVA, V.V., tekhn. red.

[General planning of coal mining enterprises] General'nye pla-  
ny ugol'nykh predpriiatii. Moskva, Gosgortekhnizdat, 1961. 330 p.  
(MIRA 15:7)

(Coal mines and mining)

SEVER'YANOV, Nikolay Nikolayevich; AGALINA, Mariya Samoylovna;  
CHERNEGOVA, E.N., red.izd-va; IL'INSKAYA, G.M., tekhn. red.

[Handbook on engineering explorations for construction  
purposes] Spravochnik po inzhenernym izyskaniyam dlia stroi-  
tel'stva. Izd.2., perer. i dop. 1963. 322 p.

(MIRA 16:7)

(Surveying) (Engineering)

SEVER'YANOV, N.N., kand. tekhn. nauk, red.; BERLIN, A.Ye.,  
retsenzent; VOYTSEKHOVSKIY, G.A., retsenzent;  
DAVIDOVA, Ye.A., retsenzent; ZIL'BERSHTEYN, Ya.Yu.,  
retsenzent; KIRICHINSKIY, N.R., retsenzent; KLEPIKOV,  
L.N., retsenzent; KUBYNIN, A.Ye., retsenzent; LEBEDEV,  
V.V., retsenzent; MOROZOV, V.P., retsenzent; MOSKVIN,  
V.B., retsenzent; MUSARSKIY, I.S., retsenzent; PODERNI,  
Yu.S., retsenzent; SALIKOV, I.A., retsenzent; SUSHCHENKO,  
A.A., retsenzent; TRET'YAKOV, K.M., retsenzent; UL'YANOV,  
V.P., retsenzent; TSVIRKO, P.P., retsenzent; TSOY, A.G.,  
retsenzent; CHEL'TSOV, M.I., retsenzent; SHISHCHITS, G.N.,  
retsenzent; DIDKOVSKIY, D.Z., otv. red.

[Handbook on the prospecting, planning, and construction  
of strip mines] Spravochnik po izyskaniyam, proektirovaniu  
i stroitel'stvu kar'erov. Moskva, Nedra, 1964. 2 v.  
(MIRA 18:2)

SEVER'YANOV, Nikolay Nikolayevich

[Handbook on the operation of railroad and automotive transportation in open-pit mines; Spravochnik po ekspluatatsii zheleznodorochnogo i avtomobil'nogo transporta na kar'erakh. Moskva, Nedra, 1965. 288 p. (MIRA 18:7)

SEVERYAKOV, V.S.

BRUKNER, I. B., LITVIN, I. B., KOSLOV, V. I., PROKHOROV, V. O., KOSHEVNIKOV, I. A.,  
KURAT, A. E., SHATALOV, V. S., SEMENOV, B. M., RYKOVA, O. B.

"Operating Experiences of the IR-1."

Report presented at the Symposium on Small and Medium Reactors, Vienna, 5-9 Sept 60

SEVER'YANOV, V. S.

25373

S/089/61/011/001/002/010  
B102/3214

21.1000

AUTHORS:

Yevdokimov, Yu. V., Kozlov, V. Ya., Konochkin, V. G.  
Kochetkov, L. A., Krasin, A. K., Lytkin, V. V., Sever'yanov,  
V. S., Semenov, B. A., Ushakov, G. N.

TITLE:

Experience from work with the First Nuclear Power Plant

PERIODICAL:

Atomnaya energiya, v. 11, no. 1, 1961, 12 - 18

TEXT: The First Nuclear Power Plant in the USSR, which was the first in the world, has been successfully operated for seven years; this paper presents a short survey of the experiences accumulated during the first six years at this station. The station itself possesses all the equipment available at a large research reactor. The construction of the Beloyarskaya GRES (Beloyarsk State Regional Electric Power Plant) represents a further development of the First Nuclear Power Plant. The working of the reactor at different power levels: In the so-called "cold state", at 0.01% of the nominal power, the reactor has the lowest power level at which the automatic power regulator can still function; the rise in this level is checked by measuring the neutron flux; the power level can be doubled within 20 sec.

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S/089/61/011/001/001/010  
B102/B214

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Heating begins with a rise of the power level to 5% of the nominal power (first cycle: 160-170°C, pressure in the second cycle: 7 - 8 atm), then to 10% of the nominal power (temperature at the entrance to the reactor: 190°C, steam pressure 12.5 atm); these parameters remain unchanged on further increase of power. The total heating time for the system is 3.5 - 4 hours; during this time, nitrogen is blown in the graphite system to remove oxygen. The parameters of the power station for 50, 75, and 100% of the nominal power are given in Table 1. On shutting the reactor, it is first cooled, by utilizing the natural loss of heat, to the temperature of water in the first cycle (110-120°C), which requires 1.5-2 hours. The cooling water is then removed from circulation and cooled; this enables the reactor to be cooled rapidly. Reliability and duration of the reactor's operation depend on the quality of the fuel element; the station works with tube type elements. The fuel is contained between two tubes of nonrusting steel (the inner is 0.4 mm thick and the outer 0.2 mm thick). This kind proved to be particularly reliable; Not a single element has been dislocated during the whole period the station has been in operation. The system of partial renewal of the fuel element is used for guaranteeing the deepest possible burning. (N. A. Dollezhal et al. reported on this at the Second Geneva

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Conference, 1958). Numerical data about the consumption are given in Table 2. Deformation of the fuel elements were checked, a deformation of  $14.20 \pm 0.02$  mm of the element jackets was found. Experiments relating to the boiling of water in the fuel channels and determination of the hydrodynamic characteristics of the fuel elements in the reactor were started in 1956. The preliminaries were completed in September 1956, and one channel was brought to boiling operation. This first boiling channel worked for 400 hours at thermal loads of  $(0.45 - 0.85) \cdot 10^6$  kcal/m<sup>2</sup>·hr (steam content 5 - 20% by weight, flow rate 250 kg/hr). As the system proved satisfactory, more channels were brought to boiling operation; in the middle of 1957 there were 70 such channels, more than half of the total. The boiling operation was characterized by the following parameters: Steam content at the exit of the channels: 5 - 25% by weight, thermal load  $(0.6 - 1.3) \cdot 10^6$  kcal/m<sup>2</sup>·hr, water flow rate 0.7 - 1 m/hr at 100 atm and 190°C at the exit. Since superheating of steam constitutes one of the most important methods for increasing efficiency, experiments in this connection were carried out in the following years with a special experimental loop (Fig. 1) to study the methods of bringing the steam to a superheated state. For this, a method of

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